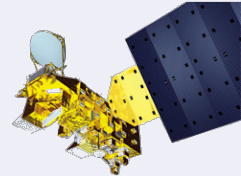


Wireless Network: ibahn\_conference  
Conference Code: 06C9E4



ALWAYS  
MAKE  
PROGRESS





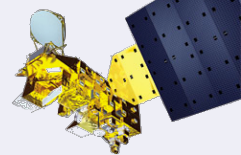
# AIRS Project Status

T. Pagano

November 8, 2011

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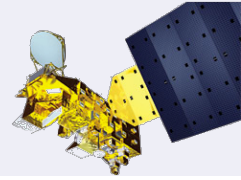
# Welcome and Introduction



- NASA Sounder Science Team Meeting
  - Sponsored by NASA AIRS Project
  - Forum for scientists to share ideas and findings
  - Allows AIRS Project to understand user needs and share latest products (e.g V6)
- All STM meeting presentations will be posted online within 1-2 months pending authors approval.
  - **Please sign approval form in the hallway.**
  - Summary will be included in Earth Observer Magazine
  - Tight agenda. Talks 15 min, 3 min Q&A, 2 min setup = 20 min.
  - No Parallel Sessions!
- Aqua 10 year anniversary on May 4, 2012.
  - AIRS Science Team Meeting in Pasadena April 24-27, 2012. We will celebrate at this time.
- Tour on Thursday evening of NASA GSFC Science Visualization Studios Hyperwall. Earth and space science visualizations on huge HD screen.
  - **Sign up by 4pm today (Tuesday) in hallway!**
- Congratulations on a successful launch of NPP!

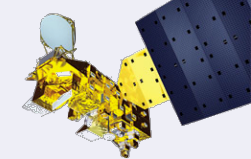


# AIRS Project Status

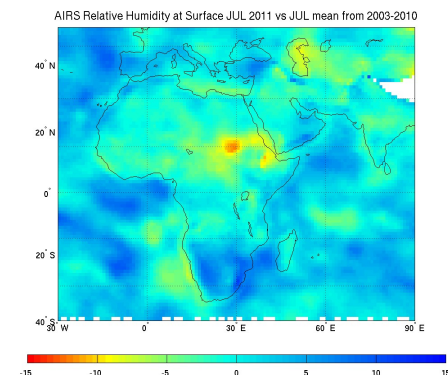
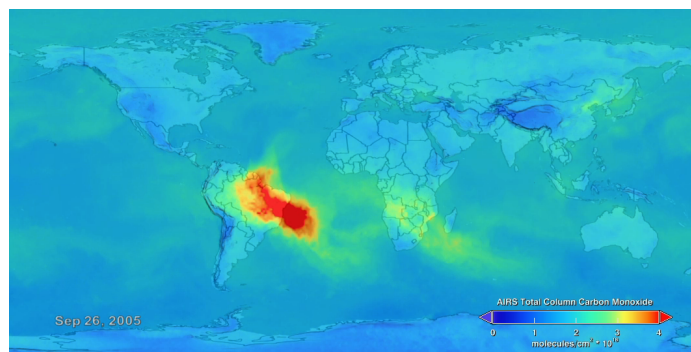
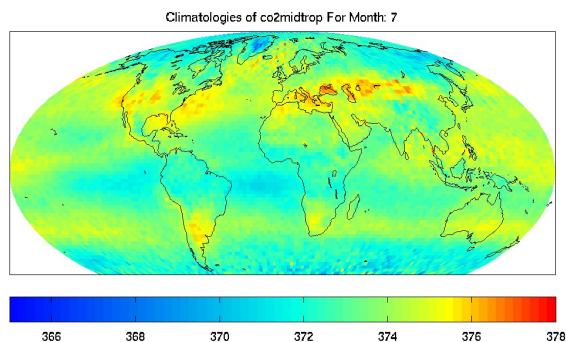


- Operations / Calibration
  - Spacecraft Healthy. AMSR-E Currently Non-operational. Fuel to 2022+
  - AIRS Instrument Healthy. To recover ~90 Channels with new gain table
  - AMSU Instrument Healthy. Slow degradation in band 5
  - Rotated Scan Profile Tests & Lunar View Data under analysis
- Version 6 Status
  - Algorithm Development Completed
  - Early L2 Products Testing Completed
  - Major Improvements in Accuracy, Yield of all Products, particularly in the lower troposphere
  - New Products: Cloud Properties, Stratospheric CO<sub>2</sub>
  - Publically Available: Spring 2012
- Science
  - Over 440 Journal Publications
  - AIRS Data Part of CMIP5, Coupled Model Intercomparison Project
- User Services/EPO
  - 850 Registered Users (more at DAAC)
  - New animations, science interviews, etc.
  - See <http://airs.jpl.nasa.gov>

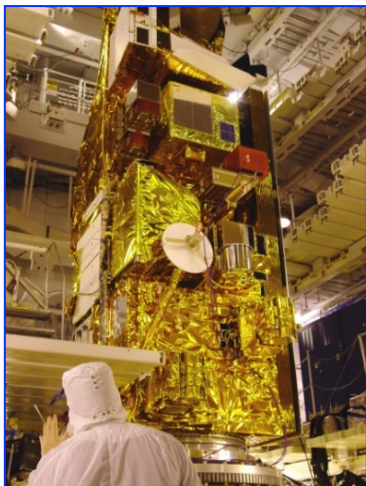
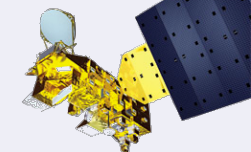
# GSFC SVS Supports AIRS Visualization Development



- Created by Lori Perkins of GSFC Scientific Visualization Studio
  1. Mid Trop Carbon Dioxide Climatology (in the works)
    - Made with AIRS data smoothed using Fixed Rank Kriging technique
  2. Carbon Monoxide Total Column Daily L3, runs Aug through Oct 2005
  3. African Relative Humidity Anomaly Map for PowerWall/Magic Planet
    - Delivered to Steve Graham, GSFC for PowerWall at COP17, AGU



# AIRS Leadership Changes



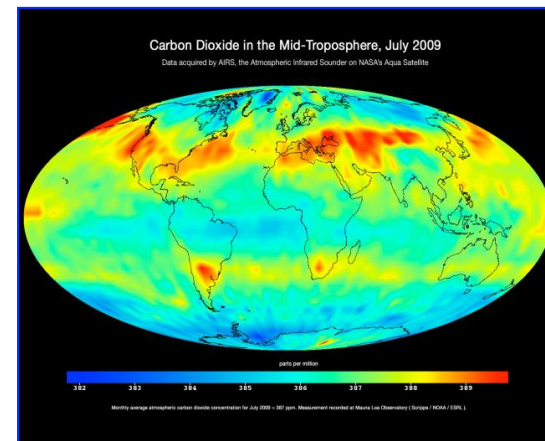
Joao Teixeira  
Science Team  
Leader



Moustafa Chahine

JPL 1960-2011  
Chief Scientist 1984-2001

A Big Thank You &  
A Very Fond Farewell.



George Aumann  
Instrument Scientist

Eric Fetzer  
Project Scientist



Please Welcome the  
New AIRS Project  
Leadership in their  
New Roles!